E-Touch Pro

(12.1 / 15.1)

User Manual

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LOCATIONS

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South East Asia Head Quarters

South East Asia	**E-PoS International** **Nasik-Pune Road** **Ayodhya Nagri** **Nasik, Maharasthra** **India**	**Tel: +91-253-2411806** **Fax: +91-252-2415295** **Email: pradeepw@sancharnet.in**

DO'S & DON'TS

(Integrated circuits on All E-PoS System boards are sensitive to static electricity. To avoid damaging any Components on the computer board, before getting started, read these following precautions and other instructions and save them for later reference).

i. Do not remove the computer from the anti-static Packaging until you are ready for installation.

ii. Make sure the voltage of the power source is correct before connecting the computer to the power outlet, (110~220 volts).

iii. Connect Rubber Legs provided to avoid damaging Cabinet Cover and Door, (where provided).

iv. Do not change any Hardware Devices online when System or the device is on and running, because the sudden surge of power may ruin any sensitive components. Also make sure the computer is properly grounded.

v. Turn off the computer before cleaning. Always clean with a damp or dry cloth only. Do not spray any liquid cleaner on screen directly.

vi. The power outlet socket used to plug in the computer power cord must be located near the system and easily accessible. Do not use outlets on the same circuit of the system that regularly switch on and off.

vii. If the computer is sharing an extension cord with other devices, make sure the total ampere rating of the devices plugged into the extension cord does not exceed the cord's ampere rating.

viii. Do not expose the power cord, extension cord and power outlet to moisture.

ix. The openings on the computer enclosure are for the cabin ventilation to prevent the computer from overheating. DO NOT COVER THE OPENINGS.

x. Do not connect any devices to Powered COM Ports (5V/12V), other then the devices that take power from Powered COM Ports to avoid damaging the Device.

xi. Any Hardware upgrades or changes to be made are to be informed, and do not tamper with Serial Nos. and Warranty Seals, to avoid Warranty Void.

xii. If the computer is not equipped with an operating system. An operating system must be loaded first before installing any software into the computer.

xiii. If the computer is equipped with a touch panel, avoid using sharp objects to operate the touch panel. Scratches on the touch panel may cause mal-calibration or non-function to the panel.

xiv. The LCD panel display is not subject to shock or vibration. When assembling the computer, make sure it is securely installed.

xv. Choose an Ideal dust free location and reliable surface for the System with proper ventilations.

ACCESSORIES

1. Warranty Card.
2. Power Cable.
3. Driver Bank CD.
4. External Floppy Disk Cable.
5. Keys.
6. Slim CD-ROM Connection Kit.

Optional,

7. MSR Card Reader and Terminator.
8. Customer Display.
9. Slim CD-ROM Drive.

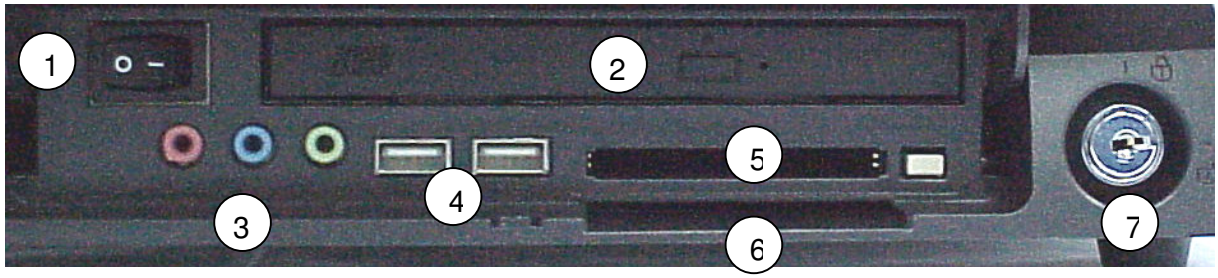
The following drivers in the folders of Driver Bank are necessary for driver installation:

Folder	Driver	Function
Common	Acrobat	Acrobat Reader Installation
	CD-ROM Drv	CDROM driver installation (for DOS)
	Elo Touch	Touch screen driver Installation
	LAN drive	LAN driver installation
	Netmos	Enable COM5/COM6
	Smart Card	Smart Card driver installation
B55	Audio	Audio driver Installation
	UDMA	UDMA driver installation
	VGA	VGA driver installation
Test Utility	Card Reader	Card Reader Test Program
	Cash Drawer	Cash Drawer Test Program
	VFD	Customer Display Test Program

When installing Elo Touch, first install the Netmos driver so COM5 & COM6 are enabled. Then load ELO touch driver and set the Touch Screen on COM5.

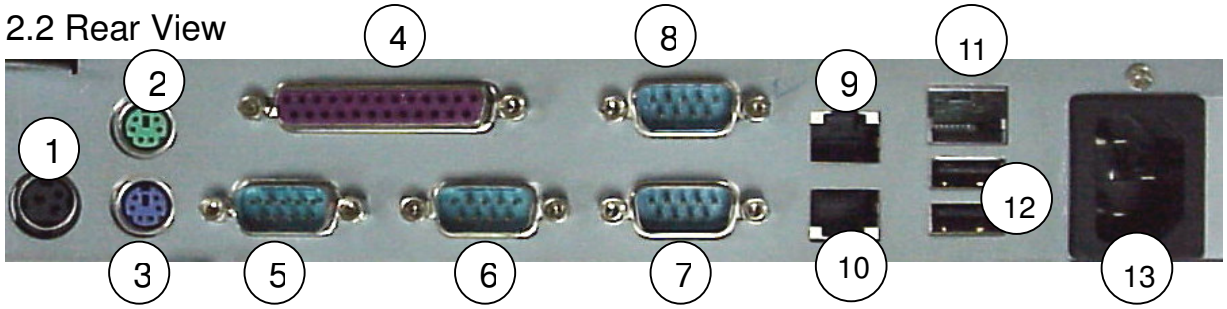
INPUT / OUTPUT FUNCTIONS

2.1 Front View



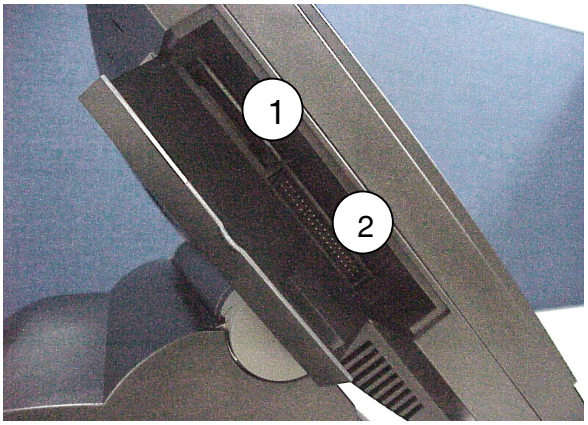
#	Function	#	Function
1	Power Switch	5	PCMCIA slot
2	CD-ROM Drive	6	Smart Card slot
3	MIC/Line-In/Line-Out	7	Key Lock
4	USB 3 & 4		

2.2 Rear View



#	Function	#	Function
1	DC Output 24V/2.0A	8	COM4
2	PS/2 Mouse	9	Cash Drawer 1
3	PS/2 Keyboard	10	Cash Drawer 2
4	LPT	11	LAN
5	COM1	12	USB1&2
6	COM2	13	AC Inlet
7	COM3		

2.3 Side View



#	Function
1	Compact Flash Slot
2	External FDD Connector

SPECIFICATIONS

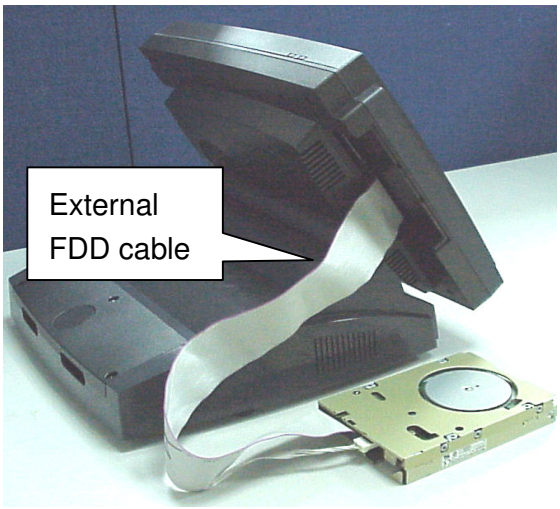
Item	Description
Core Logic	SiS 630ST Single Chip
CPU	Supports Intel® Socket 370 CPUs Celeron® /PIII ® FC-PGA /FC-PGA2 FSB 66/100/133Mhz
Internal Cache	Built-in CPU
External Cache	Built-in CPU
System RAM	2 x 168-pin DIMM sockets, up to 1GMB FSB 66/100/133MHz
BIOS	Award PnP BIOS
Video Display	Built-in Core Logic
Video RAM	SMA 2MB/4MB/8MB/16MB/32MB/64MB
IDE controller	UDMA33/66/100 One primary 40-pin 2.54 pitch & one 44-pin 2.0 pitch
I/O Controller	Built-in Core Logic SiS 630ST supports USB x 2 W83697HF x 1, supports PS2 Keyboard x 1 / PS2 Mouse x 1 COM1&2/LPT x 1 W83697HF x 1, supports COM3&4, Netmos/PCI 9835 COM5&6
Audio Controller	Built-in Core Logic supports AC97 2.1 w/CODEC
LAN controller	RTL8139C 10/100Mbps Fast Ethernet
I/O Connector Port	Audio (Line-in, Line-out, MIC) 24V2A DC output x1 RJ-45 LAN x1 USB x 4 Printer x1 COM x 4, pin1/pin9 w/5V/+12V selectable Cash Drawer x2 12V/24V selectable
Cash Drawer Port	Two Ports, output address 200H/ input address 201H
Compact Flash	Socket supported
HDD drive	One 3.5" HDD (optional)

CD-ROM drive	One slim CD-ROM/DVD/CD-RW (optional)
FDD connector	Ext. 40-pin connector with DC power
PCMCIA/Smart Card Slot	PCMCIA controller built-in main board Smart Card controller built-in PCMCIA/Smart Card function board
Internal Speaker	Built-in two speakers x 1W
LCD Panel	**POS600** 12.1“ TFT LCD Panel, resolution 800x600 Resistive touch panel view angle 0°- 60° **POS605** 15“ TFT LCD Panel, resolution 1024x768 Resistive touch panel view angle 0°- 60°
Card Reader	Options keyboard and serial interface type (3-track)
VFD type Customer Display (optional)	40 characters (20 columns x 2 lines), 5 x 7 Dot matrix Blue green display color: 700cd/m^2 96 alphanumeric, 13 different international character sets, 1 user definable character set
LCD type Customer Display (optional)	STN blue mode display type 100cd/m^2 Blue back color and white characters 30 columns x4 or double height x2 lines by alphanumeric 15 columns x 4or double height x2 lines by Chinese characters Character font 8x16 dot matrix by alphanumeric 16x16 dot matrix by Chinese Supports Traditional Chinese, Simplified Chinese, Japanese and Korean Languages
Power Supply	FT-8150 internal ATX 150W (+12V/4A, -12V/0.3A, -5V/0.2A, 5Vsb/1.5A, +5V/14A & 3.3V/10A max 100W)
Operation Temp.	5• ~ 40•
EMI/EMS	FCC/CE Class-A
System Dimension	332 (W) x 344 (D) x 204-302(H) mm (POS600) 379(W) x 346.5 –362.5 (D) x 212.6 – 323.5 (H) mm (POS605)
Weight	N.W. 7.5kgs/ G.W 9kgs (POS600) N.W. 8.0kgs/ G.W 9.5kgs (POS605)

4. Install External Device

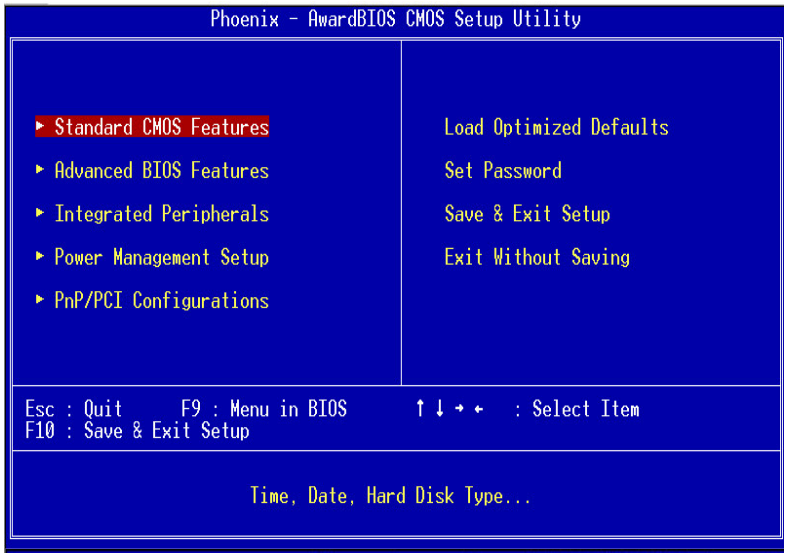
4.1 Install System FDD

Connect the FDD cable from either the second HDD or CD-ROM drive to the 50 pins Header hidden under the base cover. Check if the FDD cable is properly connected if there is no signal.

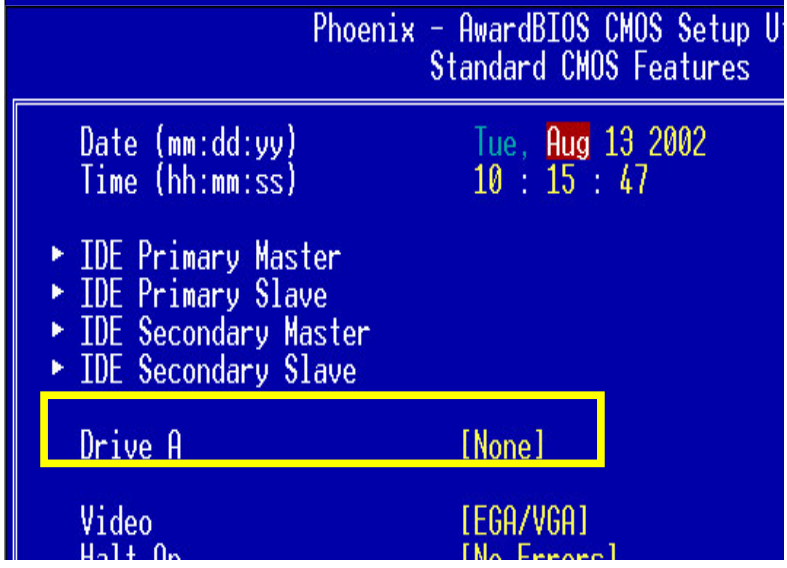


4.1.1 Enable FDD BIOS Setup

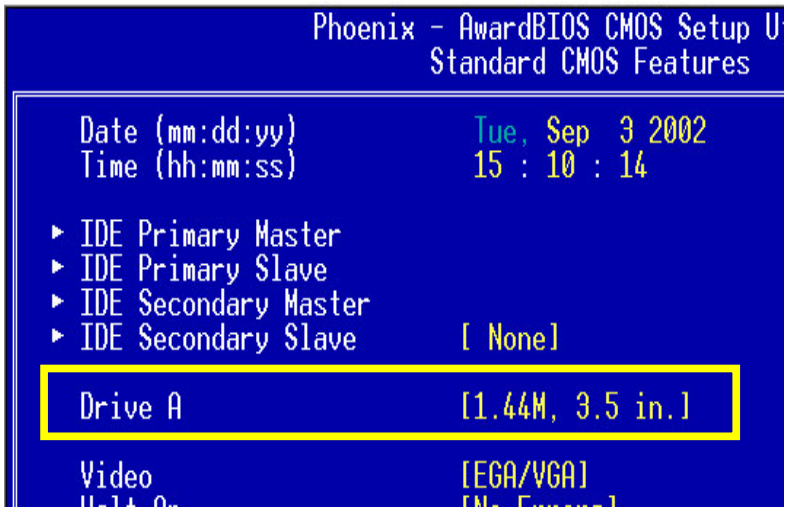
a. Enter "Standard CMOS Features" of the Main Menu of BIOS CMOS Saetup Utility.


Phoenix - AwardBIOS CMOS Setup Utility
Standard CMOS Features
Advanced BIOS Features
Integrated Peripherals
Power Management Setup
PnP/PCI Configurations
Load Optimized Defaults
Set Password
Save & Exit Setup
Exit Without Saving
Esc : Quit F9 : Menu in BIOS ↑ ↓ → ← : Select Item
F10 : Save & Exit Setup
Time, Date, Hard Disk Type...

b. Move the arrow key downward to the "Drive A" item.



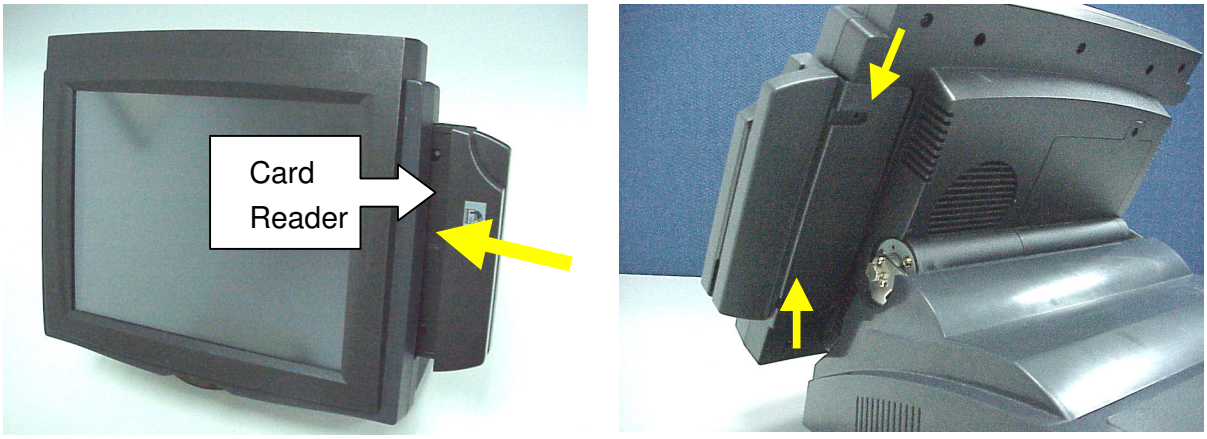
c. Use "Page Up" or "Page Down" key for FDD Installation.


Phoenix - AwardBIOS CMOS Setup U
Standard CMOS Features
Date (mm:dd:yy) Tue, Sep 3 2002
Time (hh:mm:ss) 15 : 10 : 14
IDE Primary Master
IDE Primary Slave
IDE Secondary Master
IDE Secondary Slave [None]
Drive A [1.44M, 3.5 in.]
Video [EGA/VGA]

Make sure you save the changes by pressing F10 key or moving to "Save & Exit Setup."

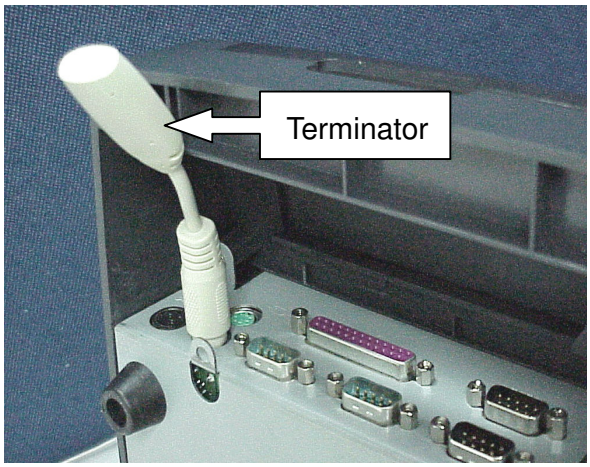
4.2 Install the MCR (Magnetic Card Reader) Module (optional)

The MCR unit is tested and can be supplied at your request. This MCR is removed during transportation and can be connected by the user. There are two types of MCR Module, either by the COM type or keyboard type. If the product barcode is P0700300, then the system you order is a COM type, and P0700400 stands for a keyboard type. If you order system without MCR, the jumper setting of the system will be set for a COM type. A keyboard type MCR must be mounted onto system if the system jumper was set for keyboard type MCR, otherwise the keyboard device will malfunction.

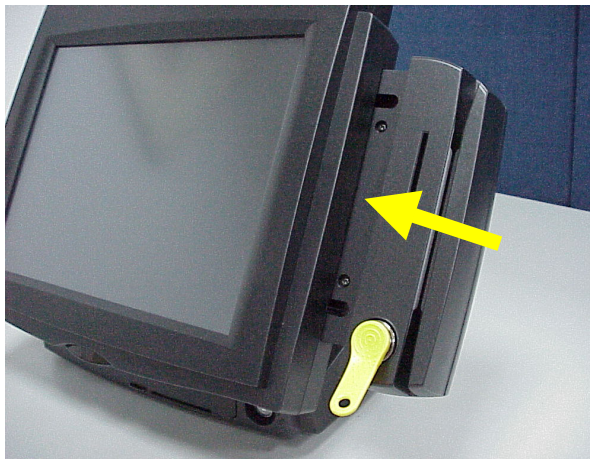


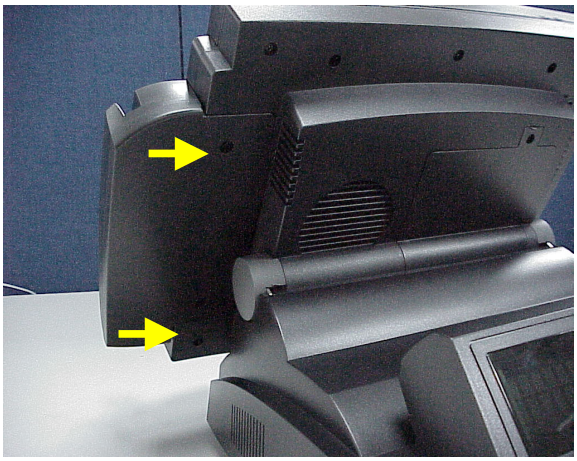
a. Push into the MCR module at the right side of System LCD Module then lock it with two screws.

b. If you select K/B Wedge MCR, we provide a Terminator for you to insert into K/B PS2 for simulate PS2 K/B so you can use K/B Wedge MCR under NT/2K/XP OS.



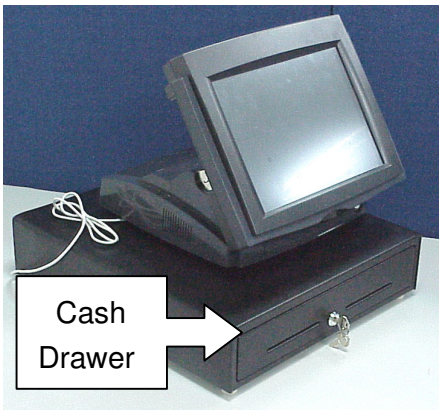
4.3 Install the Card Reader with I-button

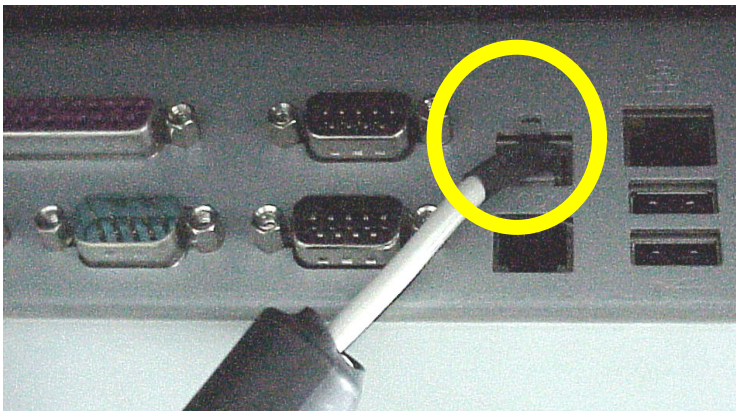




a. Push into the MCR module at the right side of System LCD Module then lock it with two screws.

4.4 Install Cash Drawer



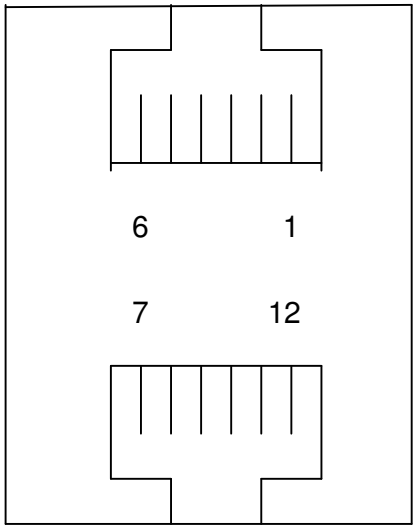


You can install a cash drawer through cash drawer port. Please make sure the pin Assignment before installation.

4.4.1 Cash Drawer Pin Assignment

Pin	Signal	Pin	Signal
1	GND	7	GND
2	DOUT bit0	8	DOUT bit2
3	DIN bit0	9	DIN bit1
4	12V/24V	10	12V/24V
5	DOUT bit1	11	DOUT bit3
6	GND	12	GND

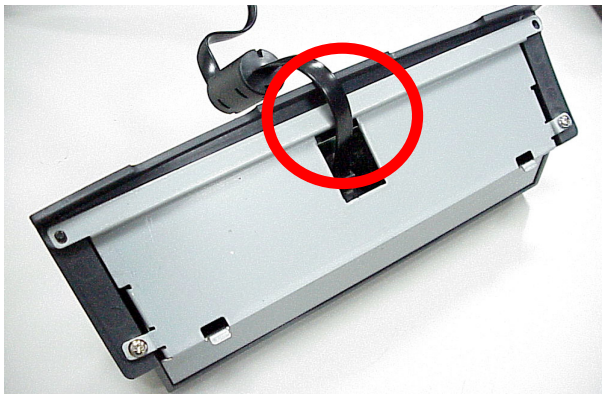
Data out address(200h) Data in address(201h)



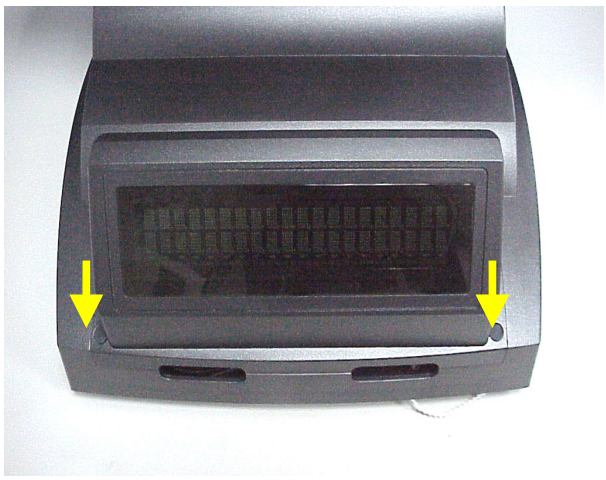
4.5 Install Customer Display

a. Insert the RS232 cable into any of the COM ports.

b. Insert the other end of the RS232 cable into the RJ45 connector of the Customer Display module.

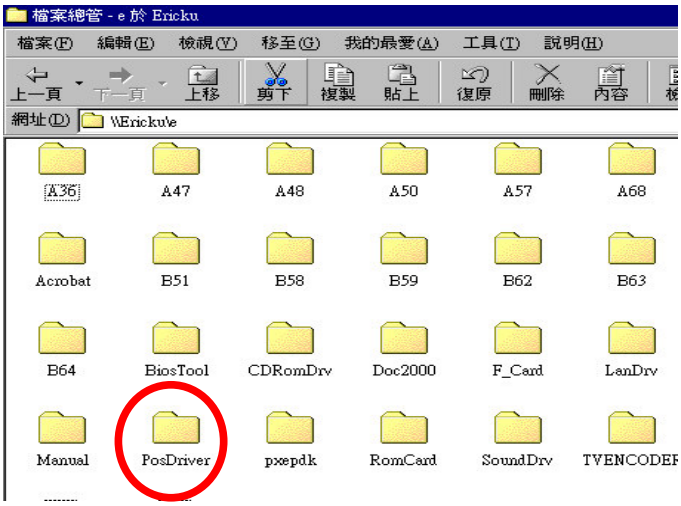


c. Fasten the two screws at the right and left of the Customer Display module.



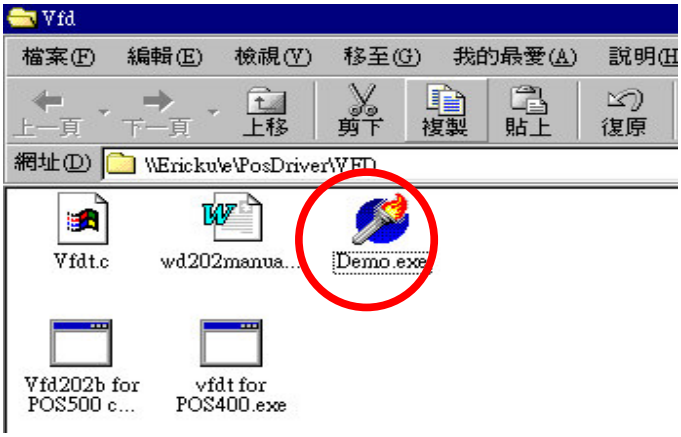
4.5.1 Customer Display Test Program

a. Select "POS Driver" in the Driver Bank CD we provide.

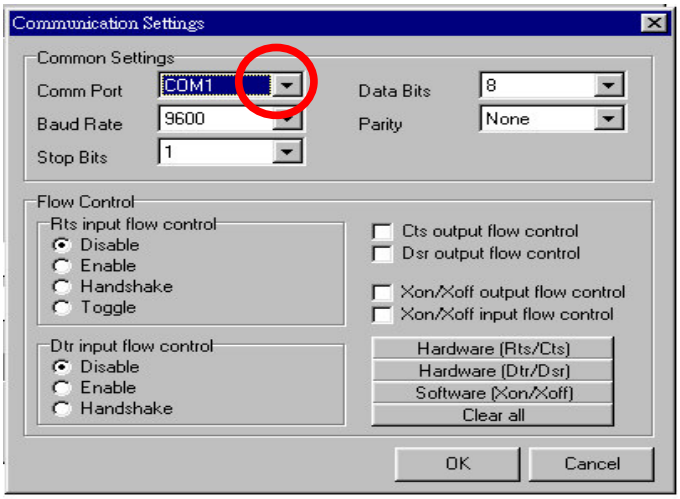


b. Select "VFD."

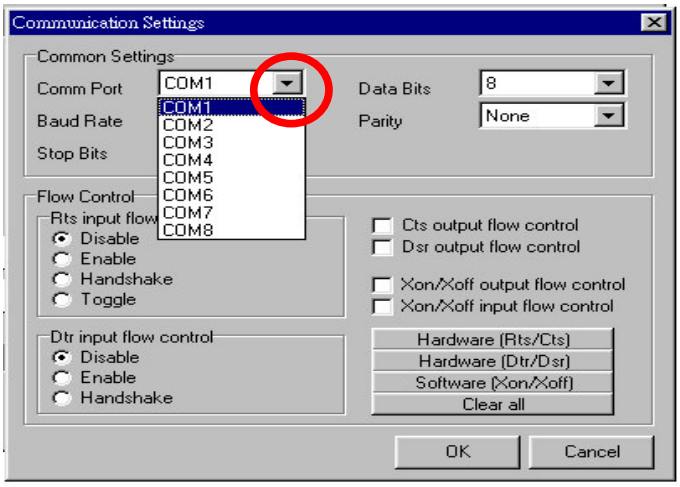
c. Select "Demo.exe."



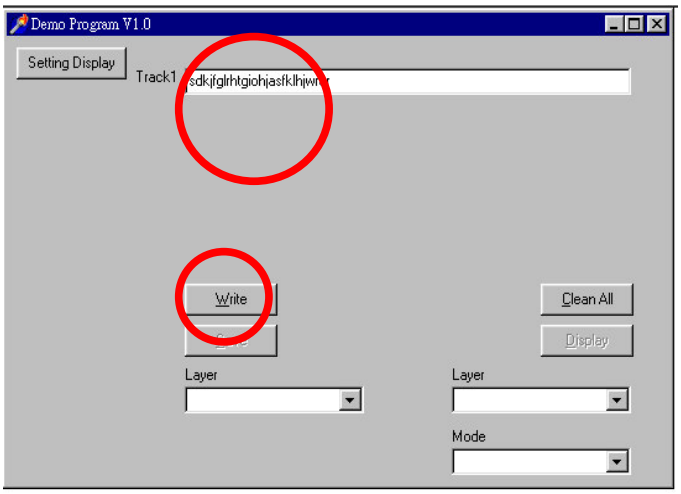
e. Pull down Comm Post in the "Communication Settings" window.



f. Choose the COM port your Customer Display is connected with RS232 cable.



g. For testing, type any words and click "Write" button, then you will see those words on the customer display.



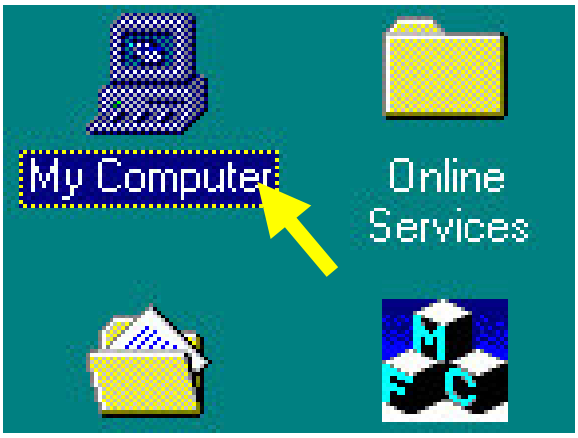
4.6 Install 2nd VGA.

For 2nd VGA installation, please refer to our "Second Display Installation Guide."

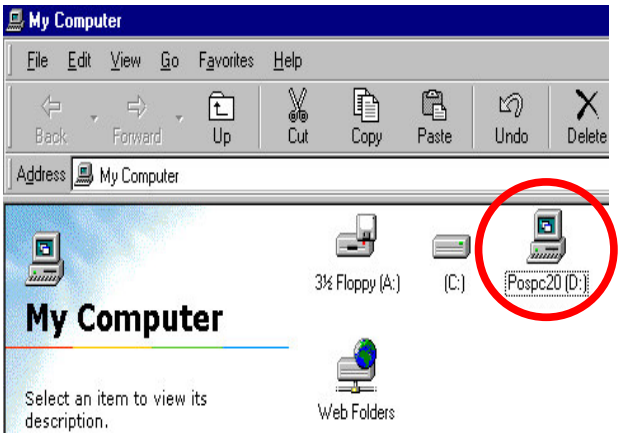
SOFTWARE & DRIVERS INSTALLATION

The following procedures are for Windows 98, other platforms are similar.

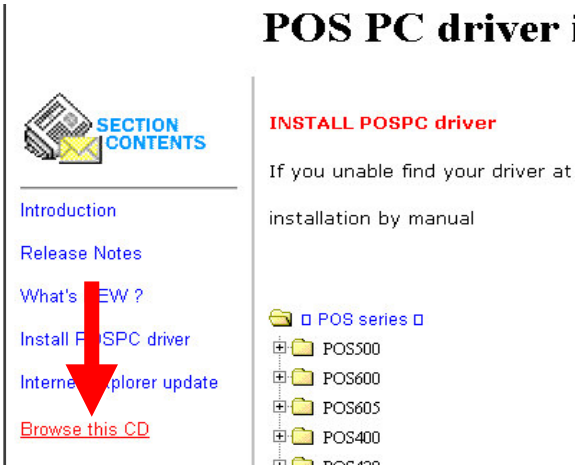
5.1 Acrobat



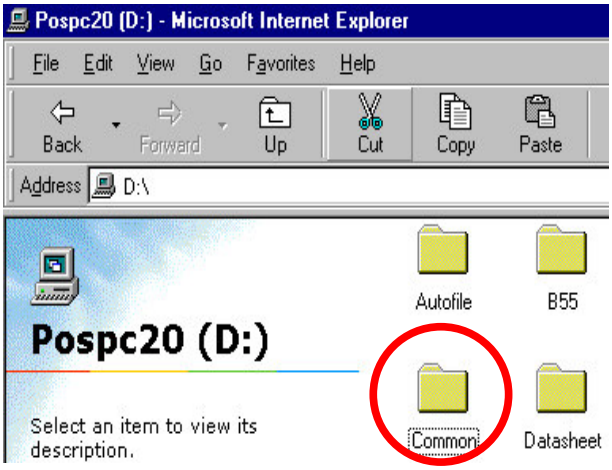
a. Click the "My Computer" icon on the desktop.



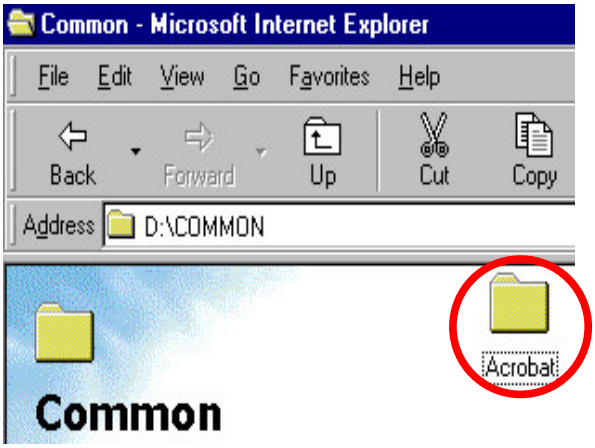
b. Click "Pospc20(D:)" icon on the My Computer window.



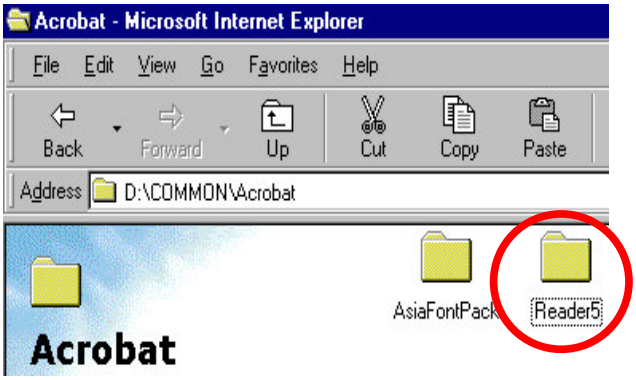
c. Choose "Browse this CD icon" on the POS PC driver window.



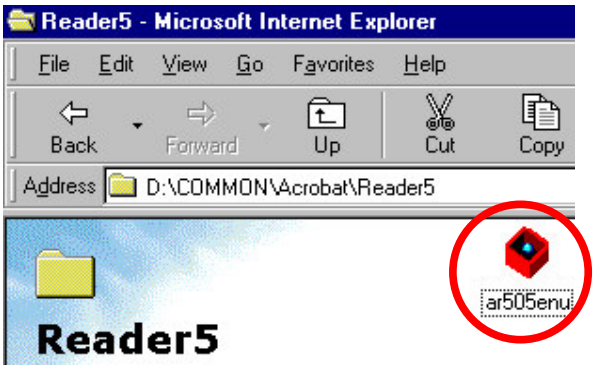
d. Click "Common" icon on the Pospc20(D:) window.



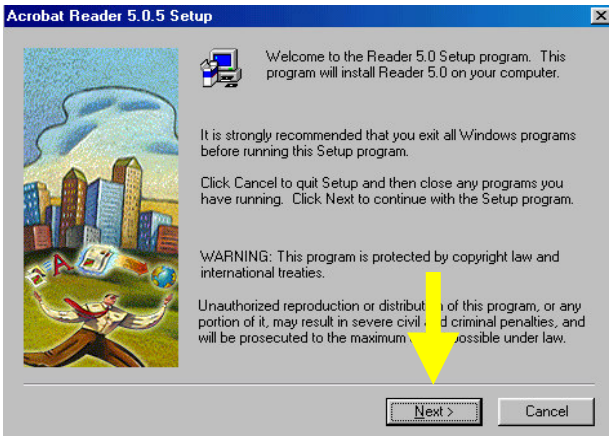
e. Click "Acrobat" icon on the Common window.



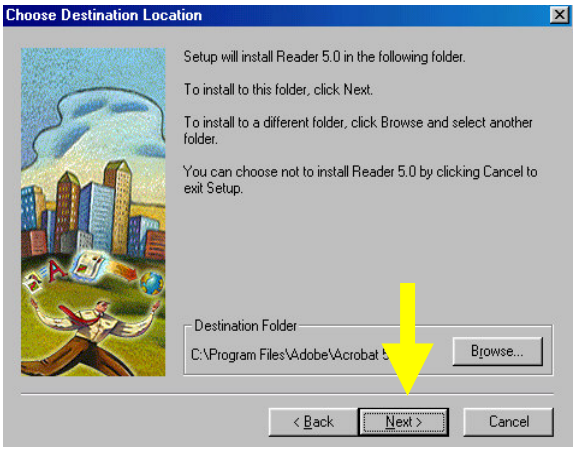
f. Click "Reader5" icon on the Acrobat window.



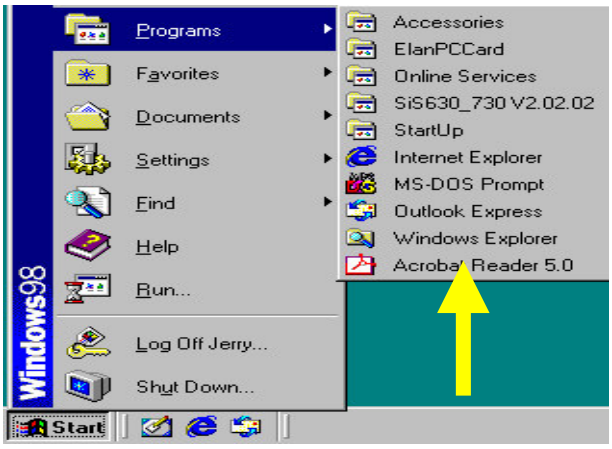
g. Click "ar505enu" icon on the Reader5 window.


Acrobat Reader 5.0.5 Setup
Welcome to the Reader 5.0 Setup program. This program will install Reader 5.0 on your computer.
It is strongly recommended that you exit all Windows programs before running this Setup program.
Click Cancel to quit Setup and then close any programs you have running. Click Next to continue with the Setup program.
WARNING: This program is protected by copyright law and international treaties.
Next >
Cancel

h. Click "Next" button on the Acrobat Reader 5.0.5 Setup window.


Choose Destination Location
Setup will install Reader 5.0 in the following folder.
To install to this folder, click Next.
To install to a different folder, click Browse and select another folder.
You can choose not to install Reader 5.0 by clicking Cancel to exit Setup.
Destination Folder
Browse...
< Back
Next >
Cancel

i. Click "Next" button on the Choose Destination Location window.



j. Now the Acrobat driver installation is completed.

5.2 BIOS Tool

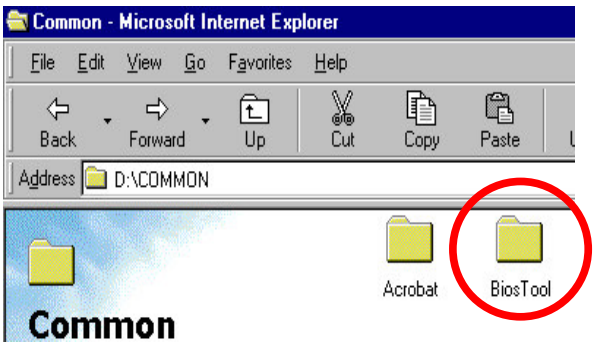
Please go to our web site and click "Tech Support" for "Bios Update Procedure."

a. Click the "My Computer" icon on the desktop.

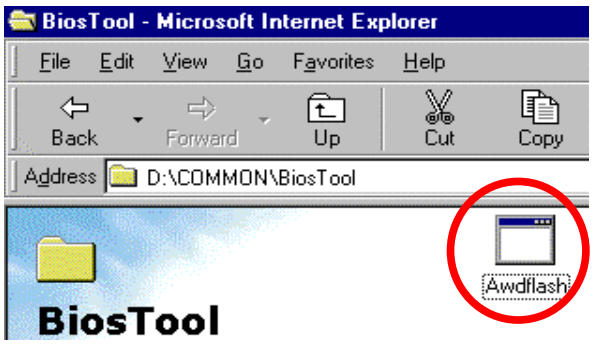
b. Click "Pospc20(D:)" icon on the My Computer window.

c. Choose "Browse this CD icon" on the POS PC driver window.

d. Click "Common" icon on the Pospc20(D:) window.



e. Click "Bios Tool" Icon on the Common window.



f. Click "Awdflash" icon on the Bios Tool window.

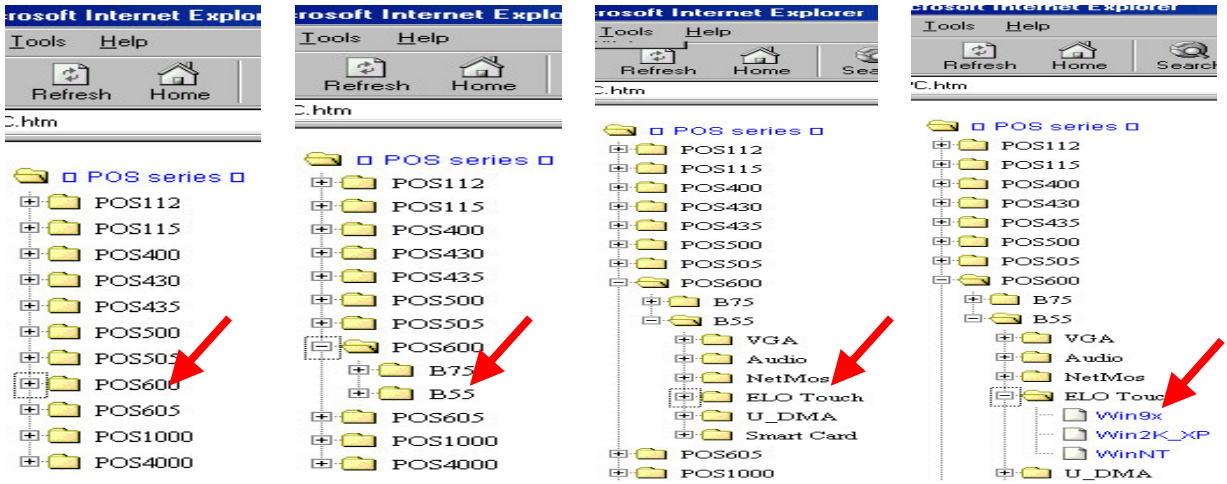
5.3 CDRomDrv

The Computer will automatically detect and install the CD-ROM driver when you boot it.

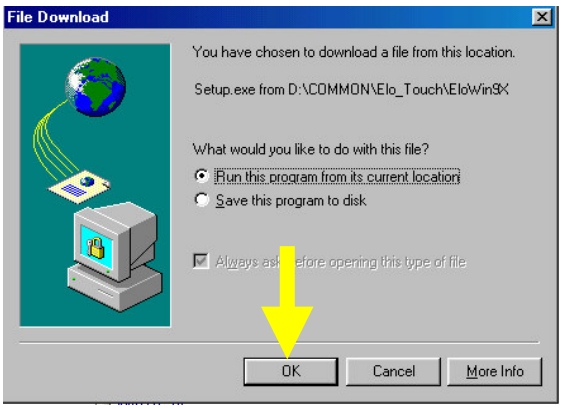
5.4 Elo_Touch

a. Click the "My Computer" icon on the desktop.

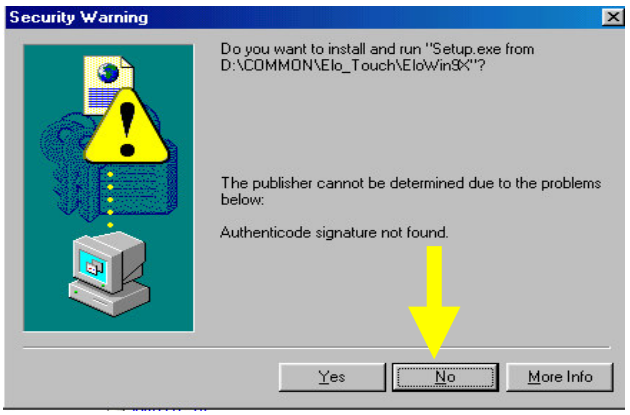
b. Click "Pospc20(D:)" icon on the My Computer window.



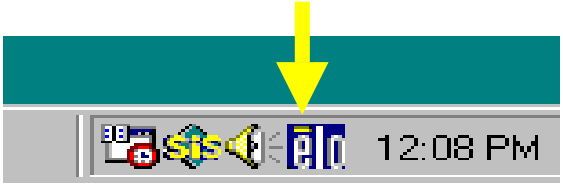
c. Choose the POS system, MB type, and OS to be installed with Elo touch screen driver. It is POS600/B55/Win98 in this case


File Download
You have chosen to download a file from this location.
Setup.exe from D:\COMMON\Elo_Touch\EloWin9X
What would you like to do with this file?
Run this program from its current location
Save this program to disk
OK
Cancel
More Info

d. Click “OK” on the File Download window.


Security Warning
Do you want to install and run "Setup.exe from D:\COMMON\Elo_Touch\EloWin9X"?
The publisher cannot be determined due to the problems below:
Authenticode signature not found.
Yes
No
More Info

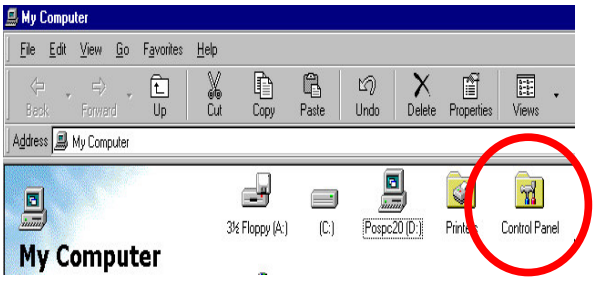
e. Click “OK” on the Security Warning window.



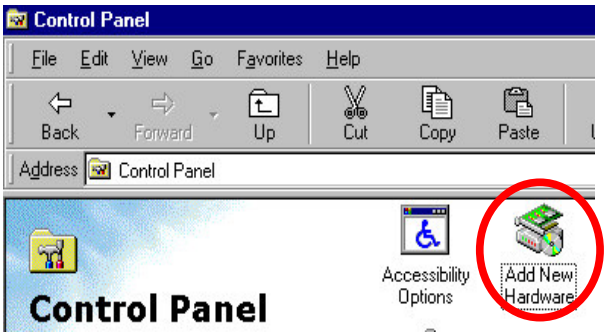
f. Now the Elo driver is successfully installed.

5.5 LAN-driver

a. Click the "My Computer" icon on the desktop.



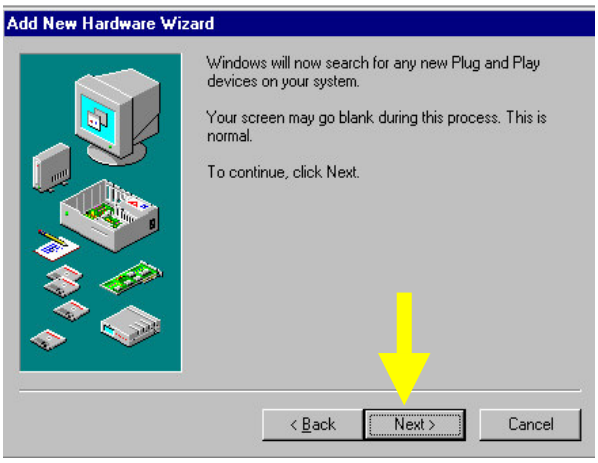
b. Click "Control Panel" icon on the My Computer window.



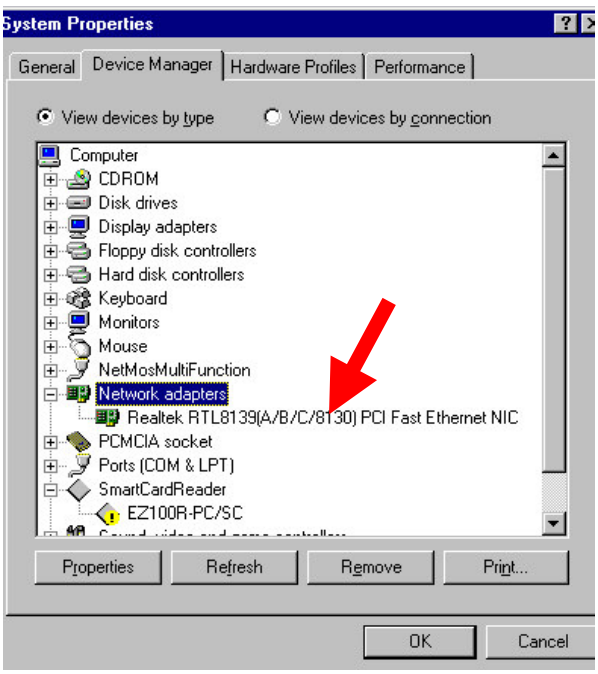
c. Click "Add New Hardware" icon on the Control Panel window.

Add New Hardware Wizard
This wizard installs the software for a new hardware device.
Before continuing, close any open programs.
To begin installing the software for your new device, click Next.
< Back
Next >
Cancel

d. Click "Next" button on the Add New Hardware Wizard window.


Add New Hardware Wizard
Windows will now search for any new Plug and Play devices on your system.
Your screen may go blank during this process. This is normal.
To continue, click Next.
< Back
Next >
Cancel

e. Click "Next" button on the Add New Hardware Wizard window.



f. Now the LAN driver is successfully installed.

5.6 Netmos

a. Click the "My Computer" icon on the desktop.

b. Click "Control Panel" icon on the My Computer window.

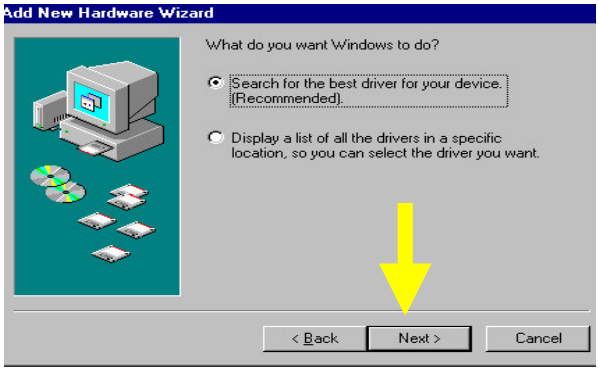
b. Click "Add New Hardware" icon on the Control Panel window.

d. Click "Next" button on the Add New Hardware Wizard window.

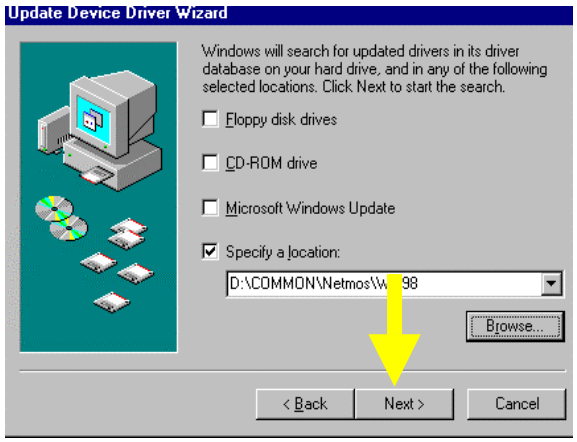
d. Click "Next" button on the Add New Hardware Wizard window.

Add New Hardware Wizard
This wizard searches for new drivers for:
NetMos PCI 9835 Multi-I/O Controller
A device driver is a software program that makes a hardware device work.
< Back
Next >
Cancel

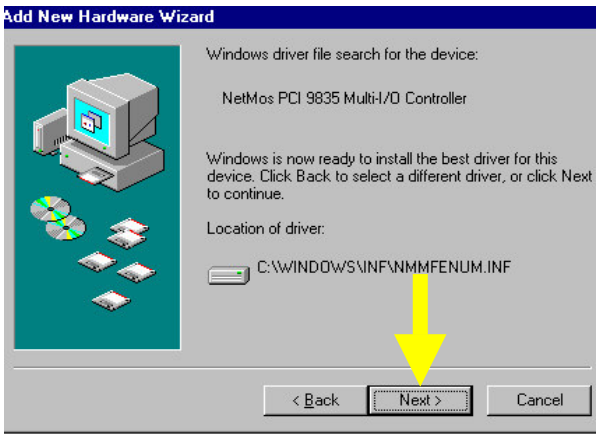
f. Click "Next" button on the Add New Hardware Wizard window.


Add New Hardware Wizard
What do you want Windows to do?
Search for the best driver for your device. (Recommended).
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel

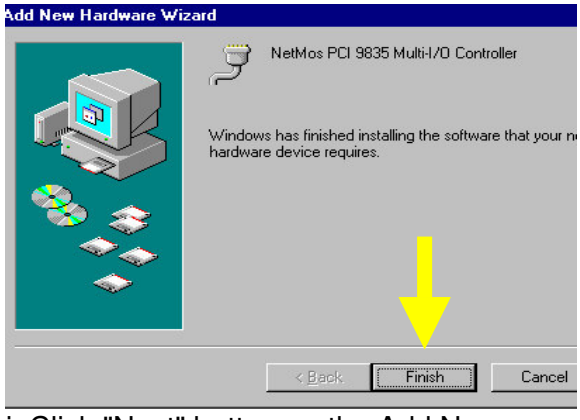
g. Click "Next" button on the Add New Hardware Wizard window.


Update Device Driver Wizard
Windows will search for updated drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
Floppy disk drives
CD-ROM drive
Microsoft Windows Update
Specify a location:
D:\COMMON\Netmos\W 98
Browse...
< Back
Next >
Cancel

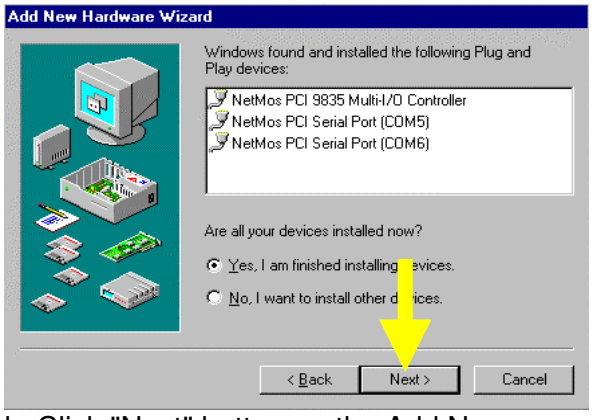
h. Click "Next" button on the Add New Hardware Wizard window.


Add New Hardware Wizard
Windows driver file search for the device:
NetMos PCI 9835 Multi-I/O Controller
Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.
Location of driver:
C:\WINDOWS\INF\NMMFENUM.INF
< Back
Next >
Cancel

i. Click "Next" button on the Add New Hardware Wizard window.


Add New Hardware Wizard
NetMos PCI 9835 Multi-I/O Controller
Windows has finished installing the software that your n hardware device requires.
< Back
Finish
Cancel

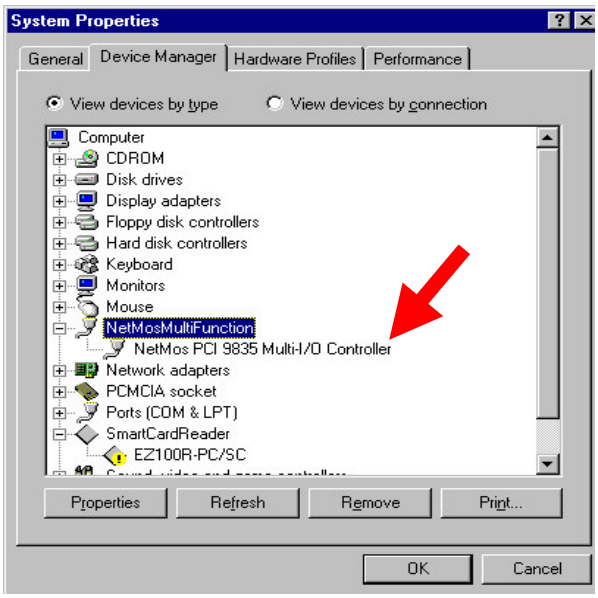
j. Click "Next" button on the Add New Hardware Wizard window.


Add New Hardware Wizard
Windows found and installed the following Plug and Play devices:
NetMos PCI 9835 Multi-I/O Controller
NetMos PCI Serial Port (COM5)
NetMos PCI Serial Port (COM6)
Are all your devices installed now?
Yes, I am finished installing devices.
No, I want to install other devices.
< Back
Next >
Cancel

k. Click "Next" button on the Add New Hardware Wizard window.

Add New Hardware Wizard
Windows has finished installing the software necessary to support your new hardware.
< Back
Finish
Cancel

l. Click "Finish" button on the Add New Hardware Wizard window.



m. Now the Smart Card driver is successfully installed.

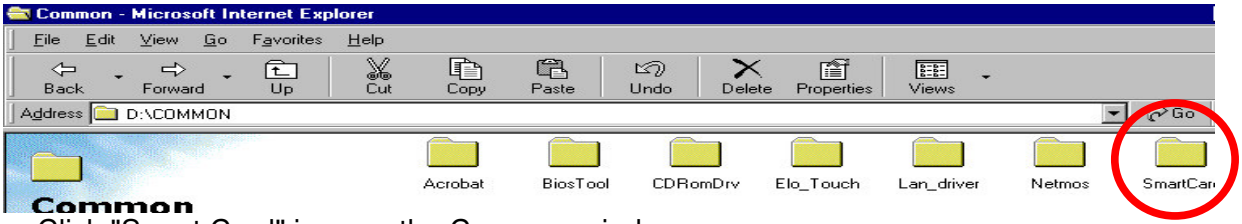
5.7 Smart Card

a. Click the "My Computer" icon on the desktop.

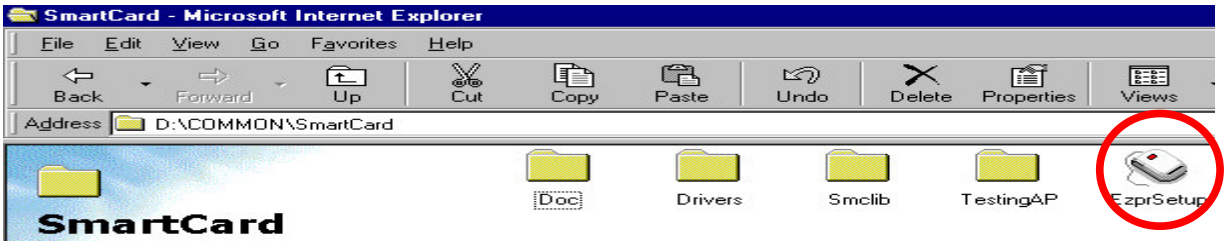
b. Click "Pospc20(D:)" icon on the My Computer window.

c. Choose "Browse this CD icon" on the POS PC driver window.

d. Click "Common" icon on the Pospc20(D:) window.

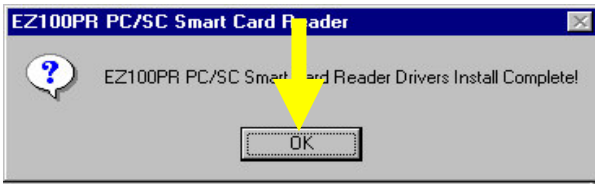


e. Click "Smart Card" icon on the Common window.

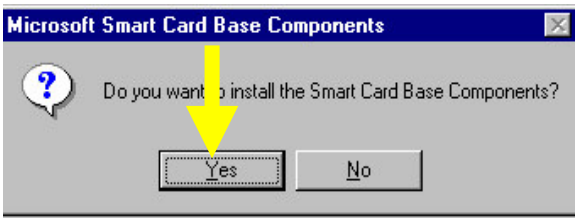


f. Click "EzprSetup" icon on the Smart Card window.

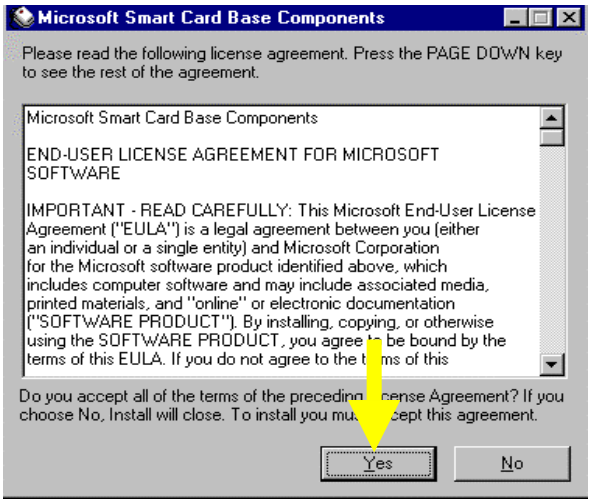
g. Click "Yes" button on the Yes/No window.



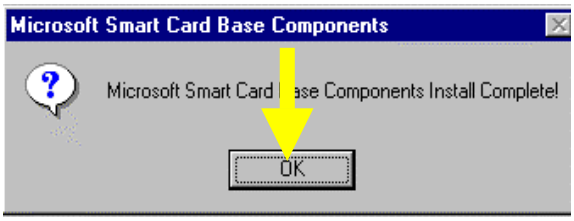
h. Click "OK" button on the EZ100PR PC/SC Smart Card Reader window.



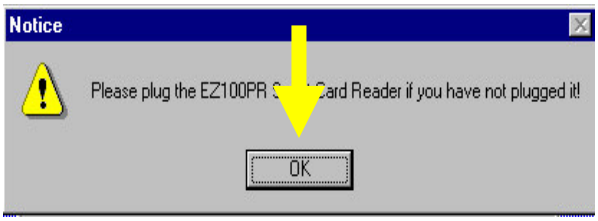
i. Click "Yes" button on the Microsoft Smart Card Base Components window.


Microsoft Smart Card Base Components
Please read the following license agreement. Press the PAGE DOWN key to see the rest of the agreement.
Microsoft Smart Card Base Components
END-USER LICENSE AGREEMENT FOR MICROSOFT SOFTWARE
IMPORTANT - READ CAREFULLY: This Microsoft End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Microsoft Corporation for the Microsoft software product identified above, which includes computer software and may include associated media, printed materials, and "online" or electronic documentation ("SOFTWARE PRODUCT"). By installing, copying, or otherwise using the SOFTWARE PRODUCT, you agree to be bound by the terms of this EULA. If you do not agree to the terms of this
Do you accept all of the terms of the preceding License Agreement? If you choose No, Install will close. To install you must accept this agreement.
Yes
No

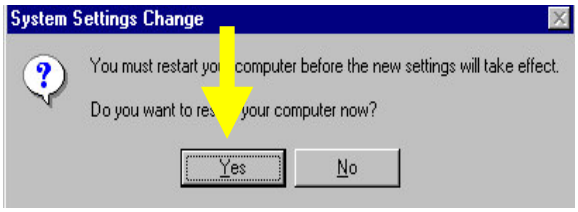
j. Click "Yes" button on the Microsoft Smart Card Base Components window.



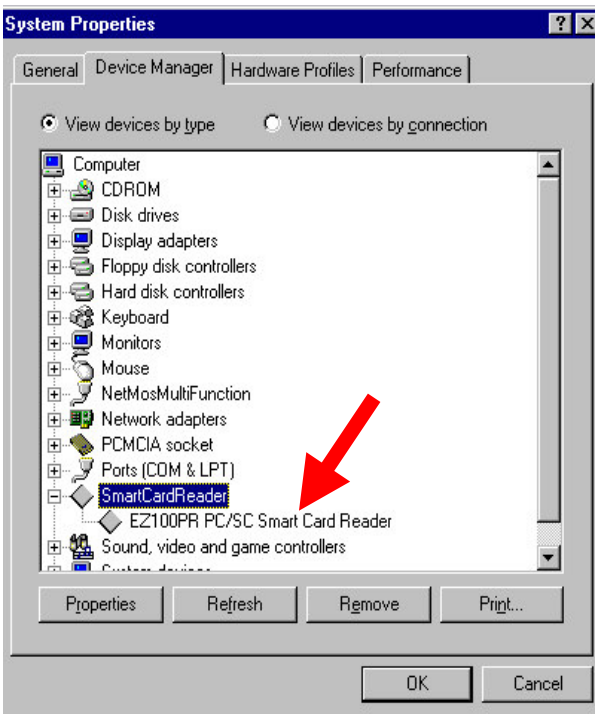
k. Click "OK" button on the Microsoft Smart Card Base Components window.



l. Click "OK" button on Notice window.


System Settings Change
You must restart your computer before the new settings will take effect.
Do you want to restart your computer now?
Yes
No

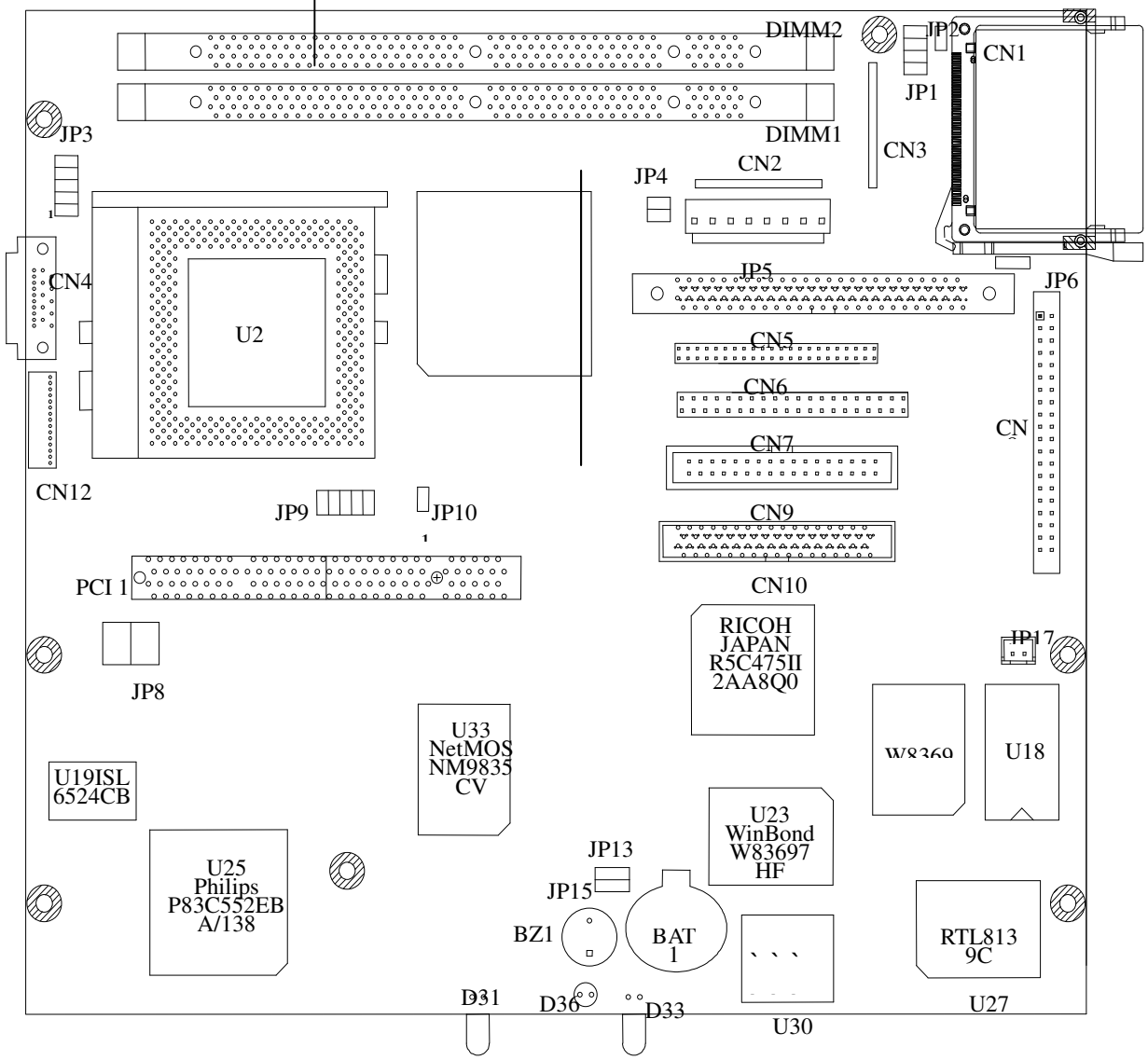
m. Click "Yes" button on the System Settings Change window.



n. Now the Smart Card driver is successfully installed.

JUMPER SETTINGS

6.1 Location of Main Board



6.1.1 CPU Frequency Ratio Selection • JP1

Ratio	1-2	3-4	5-6	7-8
Na	ON	OFF	ON	ON
1.5	ON	ON	ON	OFF
2	OFF	OFF	OFF	OFF
2	ON	ON	ON	ON
2.5	OFF	ON	OFF	OFF

3	OFF	OFF	OFF	ON
3.5	OFF	ON	OFF	ON
4	OFF	OFF	ON	OFF
4.5	OFF	ON	ON	OFF
5	OFF	OFF	ON	ON
5.5	OFF	ON	ON	ON
6	ON	OFF	OFF	OFF
6.5	ON	ON	OFF	OFF
7	ON	OFF	OFF	ON
7.5	ON	ON	OFF	ON
8	ON	OFF	ON	OFF

6.1.2 CPU-FSB/RAM/PCI Frequency Selection (MHz): JP3

CPU-FSB	SDRAM	PCI	1-2	3-4	5-6	7-8
66.6	66.6	33.3	OFF	OFF	OFF	OFF
66.6	100	33.3	OFF	OFF	ON	OFF
66.6	133	33.3	OFF	OFF	ON	ON
100	66.6	33.3	ON	OFF	ON	OFF
100	100	33.3	ON	OFF	OFF	OFF
100	133	33.3	OFF	ON	ON	OFF
100	150	30	ON	OFF	ON	ON
112	112	33.6	OFF	OFF	OFF	ON
124	124	31	ON	OFF	OFF	ON
133	100	33.3	ON	ON	ON	OFF
133	133	33.3	ON	ON	OFF	OFF
138	138	34.5	OFF	ON	OFF	ON
150	100	30	OFF	ON	ON	ON
150	150	30	ON	ON	OFF	ON
160	120	30	ON	ON	ON	ON
166	166	33.3	OFF	ON	OFF	OFF

6.1.3 Compact Flash IDE Selection *Factory Default Setting

Function	JP2
Master	*ON
Slave	OFF

6.1.4 Card Reader Selection

Function	JP4
Without Card Reader	*1-2, 3-4 ON
Serial Type Card Reader	1-2, 3-4 ON
Keyboard Type Card Reader	1-2, 3-4 OFF

6.1.5 Power Supply Type

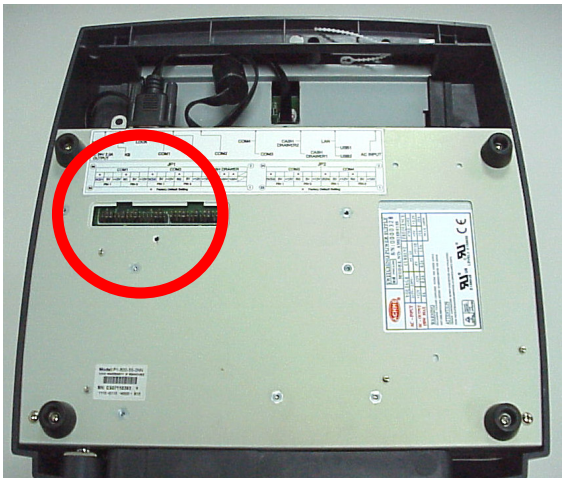
Function	JP6
ATX Power	*2-3
AT Power	1-2

6.1.6 CMOS Operation Mode

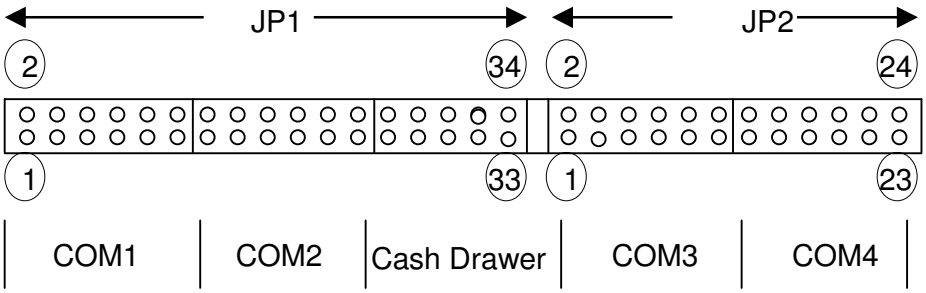
Function	JP13	JP15
CMOS Normal	*1-2	*1-2
CMOS	2-3	2-3

6.2 I/O Connector Jumper Setting

The COM port and Cash Drawer jumpers are located on the bottom of the base unit. Remove the screw of jumper cover to access jumpers.



6.2.1 Location of I/O Connector Board



6.2.2 COM1/COM2 /Cash Drawer DC Power Jumper Setting • JP1

COM1						COM2						Cash Drawer				
1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31-32	33-34
DCD1 •	5V	+12V	RI-1 •	5V	+12V	DCD2 •	5V	+12V	RI-2 •	5V	+12V	+12V	+12V	+24V •	+24V •	
PIN1			PIN9			PIN1			PIN9							

• Factory Default Setting

6.2.3 COM3/COM4 DC Power Jumper Setting • JP2

COM3						COM4					
1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24
DCD3 •	5V	+12V	RI-3 •	5V	+12V	DCD4 •	5V	+12V	RI-4 •	5V	+12V
PIN1			PIN9			PIN1			PIN9		

• Factory Default Setting

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E-Mail: eposintl@emirates.net.ae